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C. Van Brunt Esq.

Poughkeepsie Nov. 8th 91.

LIBRARY
NEW YORK
BOTANICAL
GARDEN.

Dear Sir:

The inclosed is a copy of all the figures on my plates which have been determined. I sent a copy of Pl. V to J. D. Cox last spring but haven't heard from it yet: perhaps I tired him out.

I think that I am familiar with all the forms on Pl. VI & VII. As soon as I can get the copy of Habirshaw off my hands I will have time to photograph the remaining forms - gomphonemas synedras &c. which will make about 2 plates more with some marine forms like phyllozona adriaticum which occasionally wander up as far as Poughkeepsie.

I am yours sincerely

D. B. Ward.

List of Hudson River diatoms.

Plate I.

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1. *Surirella robusta* Ehr.
2. " *nobilis*. W. Sm.
3. " *striatula*. Turpin.
4. " *inducta*. A. Schmidt.
- 5, 13, 14. " *linearis*. vars. W. Sm.
6. " *minuta*. Bnt.
7. " *ovata*. var. Kg.
8. " *bifrons*. Kg.
- 9, 17. " *biseriata* Bnt.
10. " *craticula*. Grz. (not a *surirella*)
11. " *splendida*. Kg.
12. " *Rattrayi*. A. S.
15. " *cardinalis*. Kitton. (*Guatamalensis*, *limosa*)
16. " *trunca*. Grz.

Plate II.

1. *Surirella elegans* Ehr.
2. " *Saxonica*. Quers.
3. " *splendida* Kg.
4. *Campylodiscus Hibernicus*. Ehr.
5. " *Echinoides*. Ehr.
6. *Surirella Kittonii*. A. S.
7. " *robusta*. Ehr.
8. *Hantzschia* (niz) *amphioxys*. Grm.
9. *Nitzschia marina*. Grm.
10. " *pulra* (K). W. Sm.
11. " *Dryblivella*. Hantzsch.
12. " " "
13. " *punctata*. (Sm) Grm.

14. *Nitzschia marginalula* Grun.
 15. " *circumsuta* (Bail.) Grun.
 16. *Achnanthes subserilis* Kg.

Plate III.

- 1 + 2. *Cymbella gasteroides* Kg.
 3. 4. 6. 7. + 10 " *cistula* Ehr.
 5. *Cocconeis Mexicanum* Ehr.
 8. *Cymbella excisa* Kg.
 9. *Cocconeis cornutum* Ehr. (*C. asperum* Ehr.?)
 11. *Cymbella stomatophora*, Grun.
 12. " *curpidata*, K.
 13. " *Ehrenburgii* K.
 14. *Nitzschia sigmoides* (K.) W.Sm.
 15. " *sigma* var. *elongata* (K.) W.Sm.
 16. *Stauroneis phoenicenteron*. E
 17. 18. " *acuta*, W.Sm.
 19. " *gracilis* E.
 20. " *anceps*. E.
 21. *Encyonema prostratum* Ralfs.
 22. " *turgidum* (Gru.) Grun.
 23. " *triangulum*. Grun.

Plate IV.

- 1 + 3. *Navicula major*. Kg.
 2. " *nobilis*. Ehr.
 4. " *transversa*. A.S.
 * 5. " *acrospharia* var.
 6 + 7. " *Soriana*. A.S.
 8. 10 + 11. " *viridis* Kg.
 12. " *gibba*. Kg.
 13. " *lymnem*. Ehr.

Plate IV.

14. *Callas 43-12* (S. n. P.)

15. ?

17, 18, 19, & 20 *St. Brevissonii* fig.

21. ?

22. ?

23. *marina*, Galt.

24. ?

25. *neptu*, var. *stauroniformis* Lewis.

26. *incolis* ?

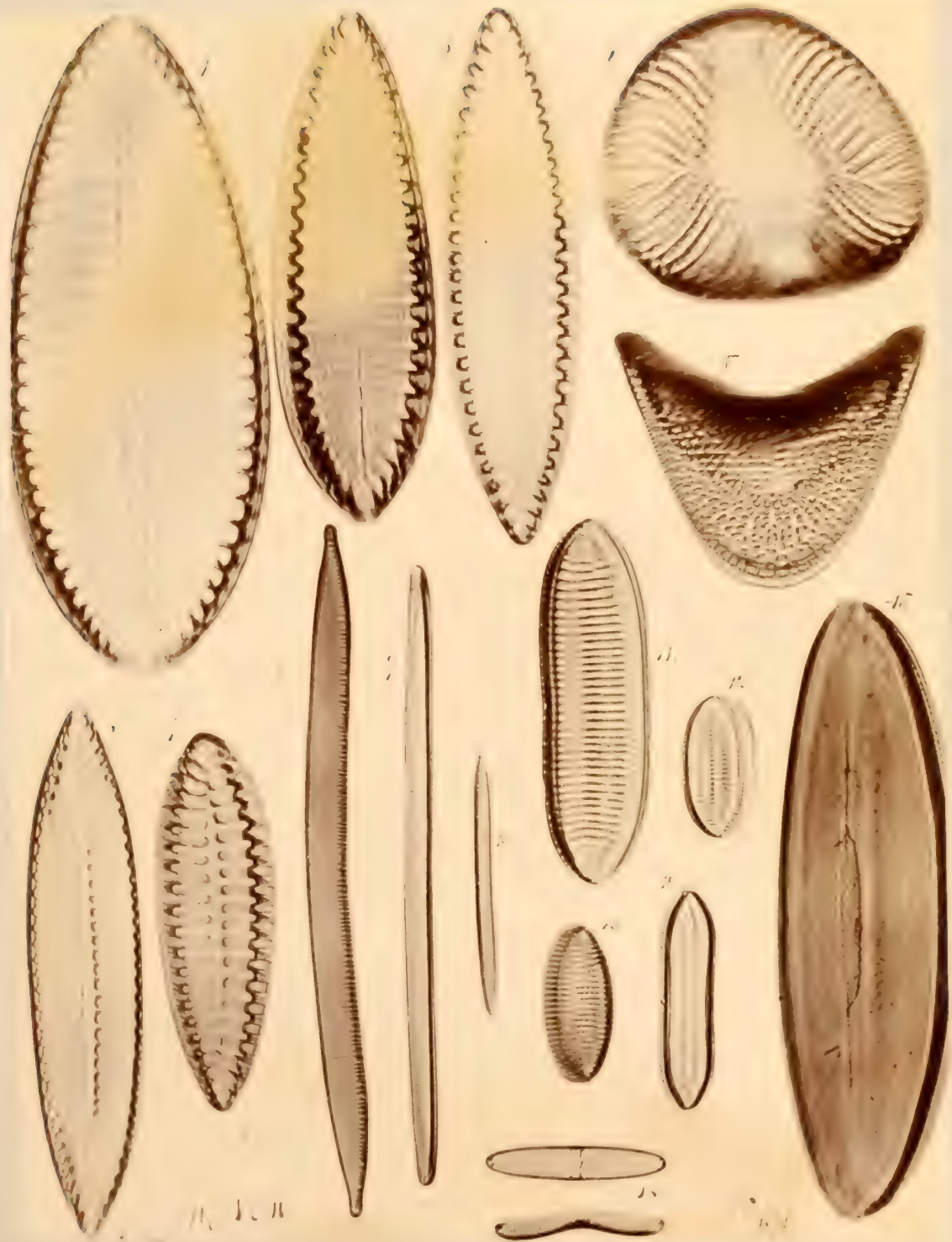
27. *marina* var.

* No. 5 has been named by Chas. A. Trigonocapala

AUG 5 - 1909



CORNELIUS VAN BRUNT, 319 E. 57th St., N. Y.

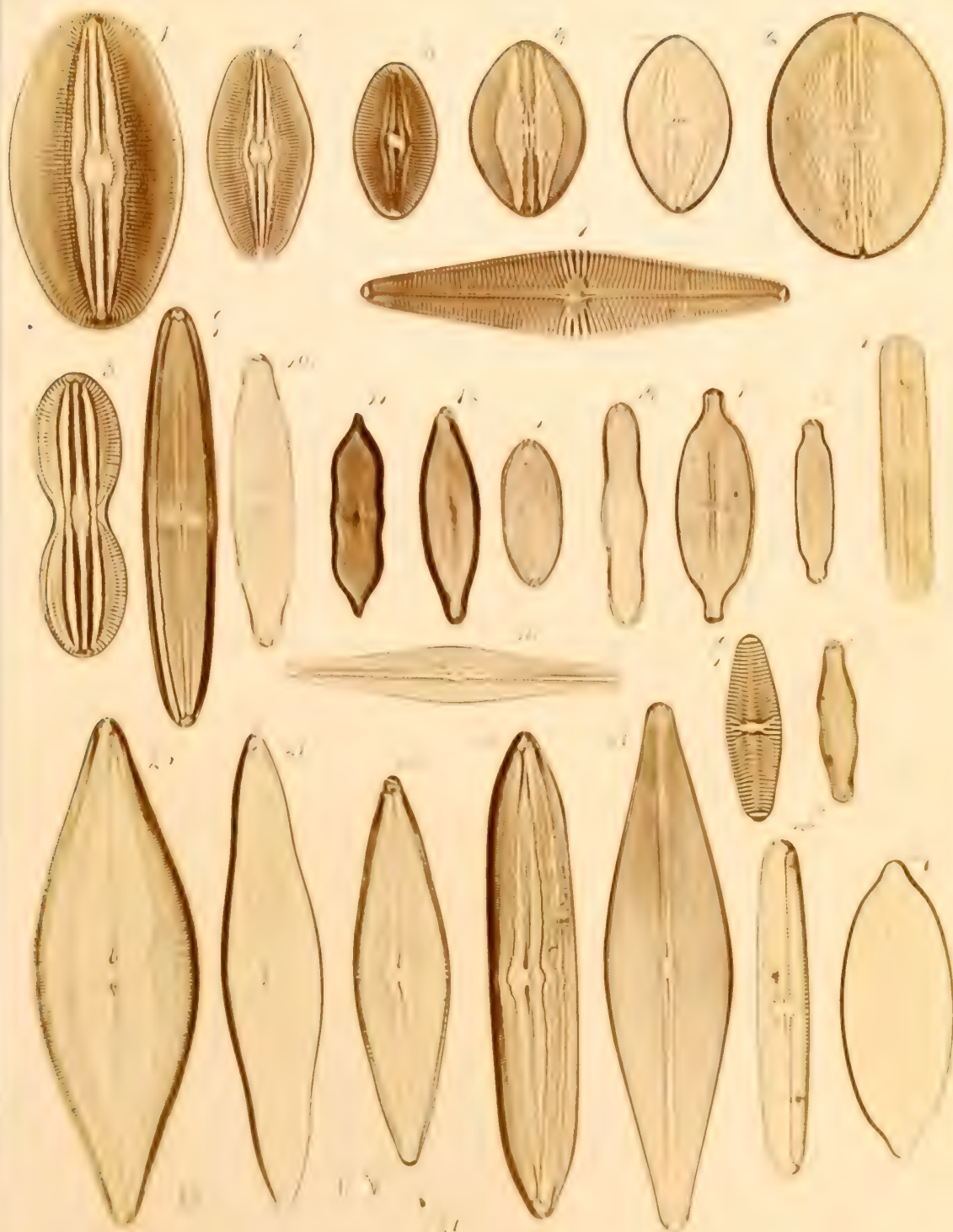


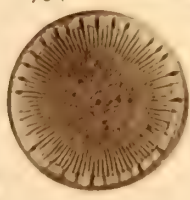
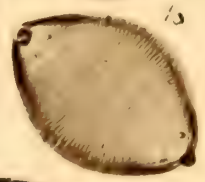
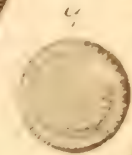
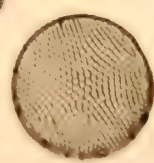
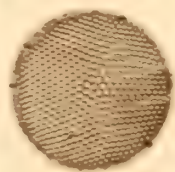
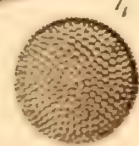
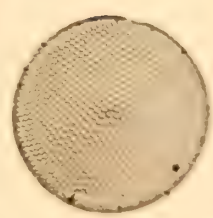
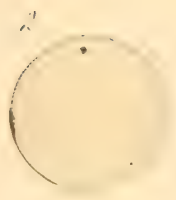


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CORNELIUS VAN BRUNT, 319 E. 57th St., N. Y.



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CORNELIUS VAN BRUNT, 313 E. 57th St., N. Y.





HR.
Pl. VI.

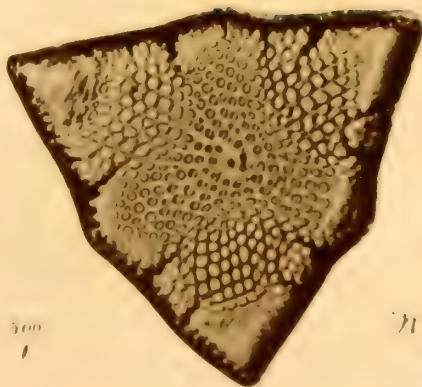
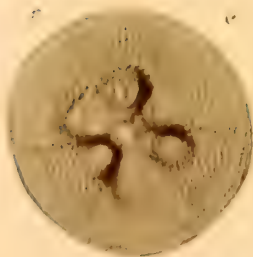
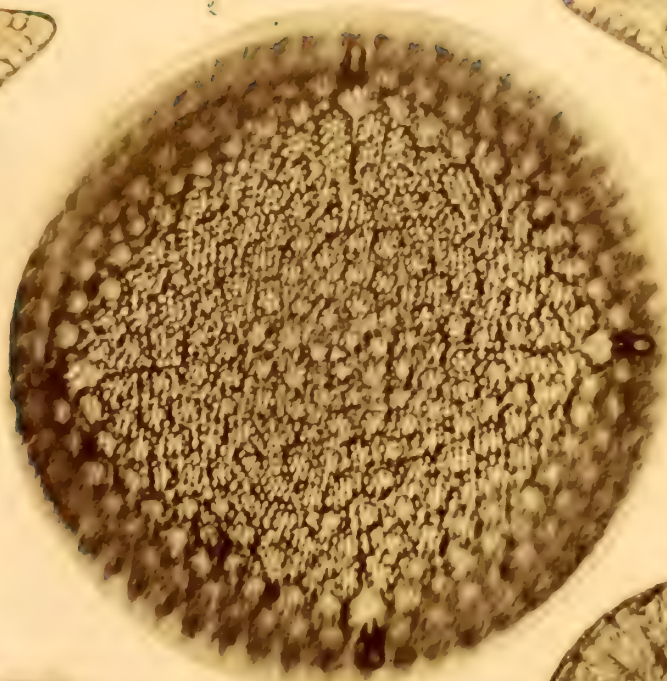
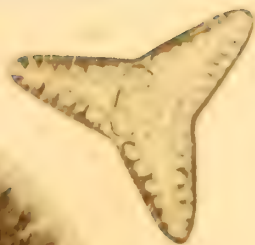
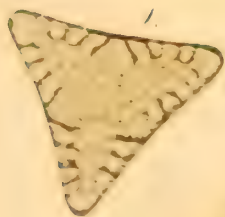
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VI
CORNELIUS VAN BRUNT, 319 E. 5th St., N. Y.



VII

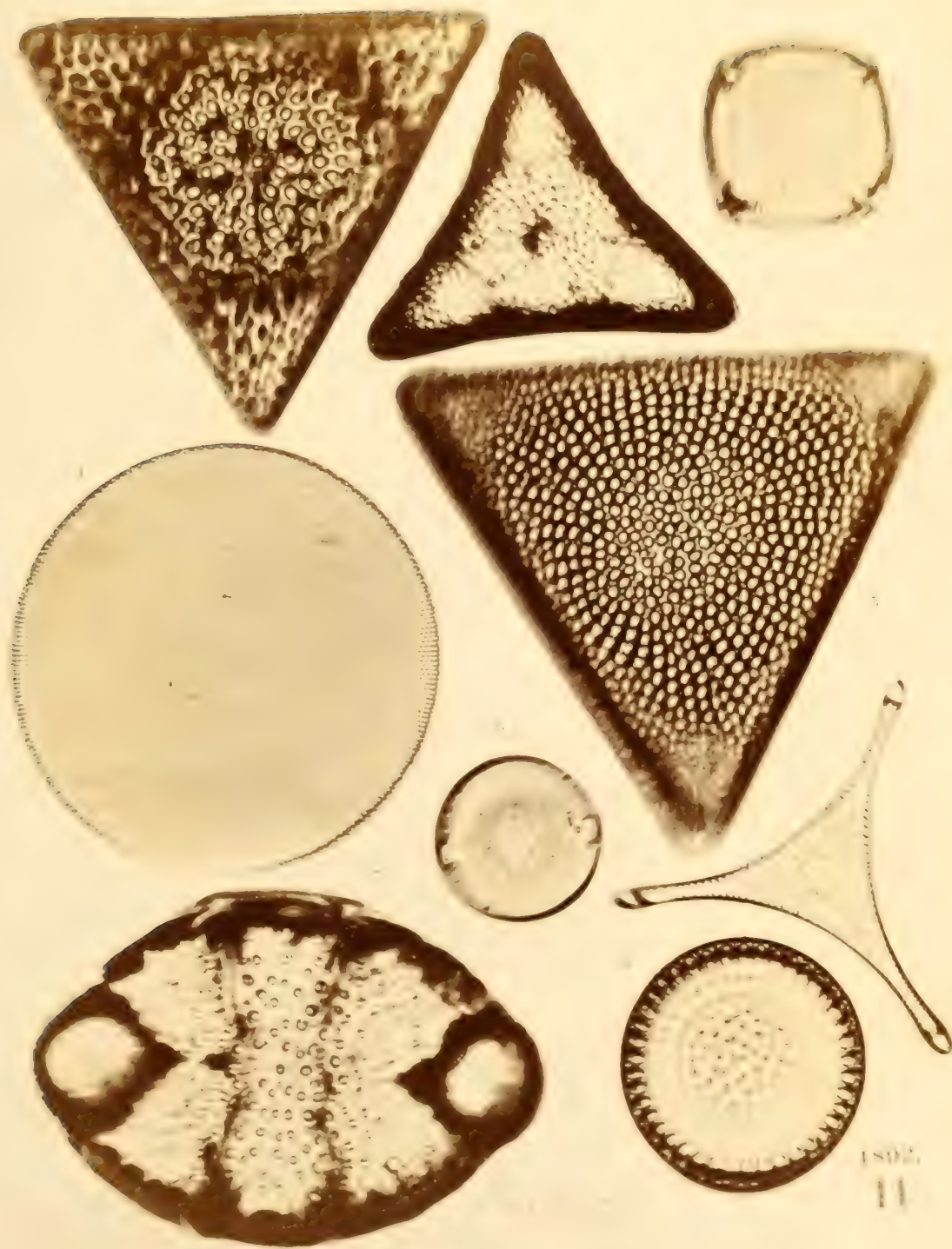
CORNELIUS VAN DRONT, SIS. CL. 1781. SIS. A. 18.



PHOTOMICROGRAPHS OF DIATOMS.

- Fig. 1. *Triceratium picturatum*, Greville, Barbadoes.
" 2. *Aulacodiscus Thumii*, A. Schmidt, Redondo, Cal.
" 3. *Triceratium nitescens*, Greville, Oamaru, N. Z.
" 4. *Aulacodiscus notatus*, Grove & Sturt, Oamaru, N. Z.
" 5. *Lepidodiscus elegans*, Witt, Sysran, Russia.
" 6. *Actinoptychus Adamans*, Brun, Barbadoes.
" 7. *Triceratium Febigerii*, Walker & Chase, Barbadoes.
" 8. *Triceratium Wittianum*, Truan, Jeremie, Hayti.

D. B. WARD, M. D., POUGHKEEPSIE, N. Y.

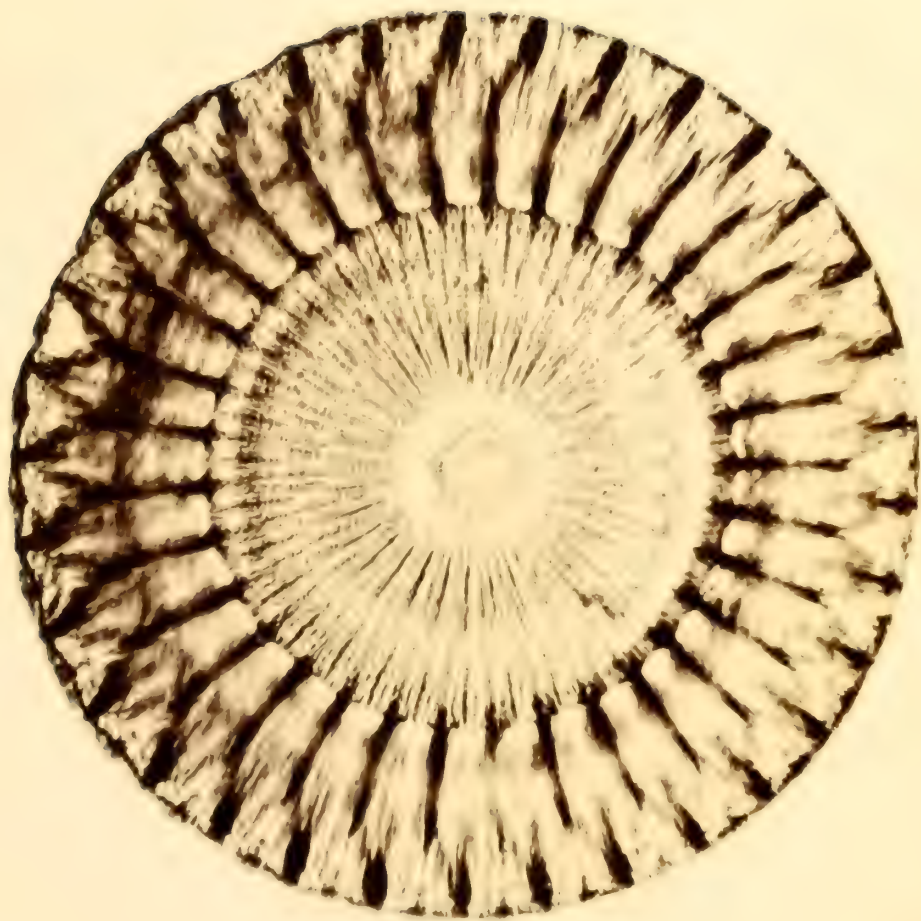


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Berlados





Leptæna subquadrata, Whit.

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Ward, David Boyd/List of Hudson River di



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